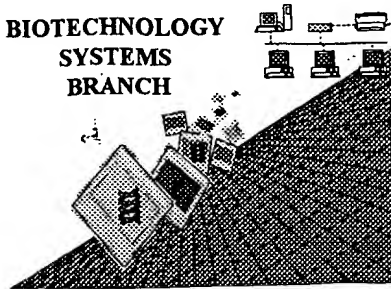


US 70
0913

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/943,531
Source: OIPF
Date Processed by STIC: 9/20/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/943,531

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length. Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIKE

RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/943,531

TIME: 13:40:18

Input Set : A:\GG119-2US.ST25.txt

Output Set: N:\CRF3\09202001\I943531.raw

m1-5

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Risinger, Carl
4 Andersson, Maria K.
5 Lewander, Tommy K.
6 Olaisson, Erik K.
8 <120> TITLE OF INVENTION: Detection of CYP2C19 Polymorphisms
10 <130> FILE REFERENCE: GG119.2US
12 <140> CURRENT APPLICATION NUMBER: US/09/943,531
12 <141> CURRENT FILING DATE: 2001-08-30
12 <150> PRIOR APPLICATION NUMBER: GB 0021286.0
13 <151> PRIOR FILING DATE: 2000-08-30
15 <160> NUMBER OF SEQ ID NOS: 37
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1239
21 <212> TYPE: DNA
22 <213> ORGANISM: homo sapiens
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27 tcaagccctt agcaccaa atctctgagat cagctcttcc ttcagttaca ctgagcgttt 120
29 cccctctgca gtgatggaga agggagaact cttatttttt ctcatgagca tctctggggc 180
31 tgttttcctt agataaataa gtggttctat ttaatgtgaa gcctgtttta tgaacaggat 240
33 gaatgtggta tatattcaga ataactaakg tttgggaagt gttttgtttt gctaaaacaa 300
35 agtttttagca aacgattttt tttttcaaat ttgtgtcttc tgtttcctaa gyatctctga 360
37 tgtaagagat aatgcgccac gatgggcac acagagacct agctcaaate ccagttctgc 420
39 cagctatgag ctgtgtggca ccaacagggt tcctgttctc ccagggtctc ctttttccca 480
41 tttgaaatat aaaaaataac aattcctgcc ttcacgtgtt tttttagggg gttaaatggt 540
43 aaagggtgtt atatctgcta aggtaattta cttgatatat gtttggttat tgaagatata 600
45 tgagttatgt tagctatttc atgtttaggc tgctgtatit ttagtaggct atattaaata 660
47 gaggatttca ttataaagga caaagtctcc taatcttcga tataggattg acatactttt 720
49 taaatataca aggcatagaa tatggccatt tccgttaa atcataattcc caactgggta 780
51 ttaatctaag aattcagaat ttttaagta atgtttttgca tcagattgtt tacttcagtg 840
53 ctctcaatta tgacggtgca ttggaaccac ttgggttaac atttttttgt ttttattacc 900
55 aatacctagg cttcaacctg gtacaatgaa accagaatgt acagagtggg caactgggacg 960
57 aaggagaaca agaccaaagg acattttatt tttatctcta tcagtgggtc aaagtccttt 1020
59 cagaaggagc atatatgtgg cctaggtgat tggccactty atccatcaa gaggcacaca 1080
61 cacttaatta gcatggagtg ttataaaaag cttggagtgc aagctcacgg ttgtcttaac 1140
63 aagaggagaa ggcttcaatg gatccttttg tggctcctgt gctctgtctc tcatgtttgc 1200
65 ttctcctttc aatctggaga cagagctctg ggagaggaa 1239
68 <210> SEQ ID NO: 2
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71 <213> ORGANISM: synthetic *see item 10 on Enr Summary Sheet*
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77 <210> SEQ ID NO: 3
78 <211> LENGTH: 11
79 <212> TYPE: DNA

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,531

DATE: 09/20/2001
TIME: 13:40:18

Input Set : A:\GG119-2US.ST25.txt
Output Set: N:\CRF3\09202001\I943531.raw

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83 caaagcatct c 11
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 11
88 <212> TYPE: DNA
89 <213> ORGANISM: synthetic
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92 cactttatcc a 11
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 11
97 <212> TYPE: DNA
98 <213> ORGANISM: synthetic
100 <400> SEQUENCE: 5
101 actaaggttt g 11
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 11
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109 <400> SEQUENCE: 6
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123 <211> LENGTH: 22
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137 ccacgtggc gcattatct 19
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151 <212> TYPE: DNA
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,531

DATE: 09/20/2001

TIME: 13:40:18

Input Set : A:\GG119-2US.ST25.txt

Output Set: N:\CRF3\09202001\I943531.raw

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167 <210> SEQ ID NO: 13
168 <211> LENGTH: 20
169 <212> TYPE: DNA
170 <213> ORGANISM: synthetic
172 <400> SEQUENCE: 13
173 gatccattga agccttctcc 20
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 23
178 <212> TYPE: DNA
179 <213> ORGANISM: synthetic
181 <400> SEQUENCE: 14
182 gtaattgttt ttgcatcaga ttg 23
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186 <211> LENGTH: 23
187 <212> TYPE: DNA
188 <213> ORGANISM: synthetic
190 <400> SEQUENCE: 15
191 tccatgctaa ttaagtgtgt gtg 23
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195 <211> LENGTH: 22
196 <212> TYPE: DNA
197 <213> ORGANISM: synthetic
199 <400> SEQUENCE: 16
200 ctgagatcag ctcttccttc ag 22
203 <210> SEQ ID NO: 17
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205 <212> TYPE: DNA
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208 <400> SEQUENCE: 17
209 aggcaggaat tgttatTTTT tata 24
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213 <211> LENGTH: 20
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217 <400> SEQUENCE: 18
218 tggggctggt ttcccttagat 20
221 <210> SEQ ID NO: 19
222 <211> LENGTH: 22
223 <212> TYPE: DNA
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,531

DATE: 09/20/2001

TIME: 13:40:18

Input Set : A:\GG119-2US.ST25.txt

Output Set: N:\CRF3\09202001\I943531.raw

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232 <212> TYPE: DNA	
233 <213> ORGANISM: <u>synthetic</u>	
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236 caaacattag t	11
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248 <210> SEQ ID NO: 22	
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250 <212> TYPE: DNA	
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254 gagatgcttt g	11
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259 <212> TYPE: DNA	
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295 <212> TYPE: DNA	
296 <213> ORGANISM: <u>synthetic</u>	
298 <400> SEQUENCE: 27	
299 tctgttctca a	11

RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/943,531

TIME: 13:40:18

Input Set : A:\GG119-2US.ST25.txt

Output Set: N:\CRF3\09202001\I943531.raw

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314 <213> ORGANISM: synthetic
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321 <211> LENGTH: 11
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325 <400> SEQUENCE: 30
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332 <213> ORGANISM: synthetic
334 <400> SEQUENCE: 31
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344 acttccaaac 10
347 <210> SEQ ID NO: 33
348 <211> LENGTH: 11
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358 <212> TYPE: DNA
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361 <400> SEQUENCE: 34
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365 <210> SEQ ID NO: 35
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368 <213> ORGANISM: synthetic
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371 gtttggaagt 10
374 <210> SEQ ID NO: 36

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/943,531

DATE: 09/20/2001

TIME: 13:40:19

Input Set : A:\GG119-2US.ST25.txt

Output Set: N:\CRF3\09202001\I943531.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date